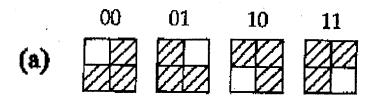
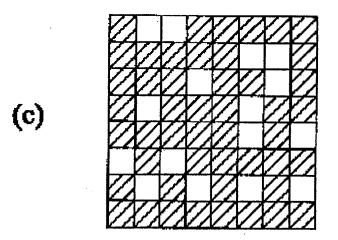


FIG. 1 PRIOR ART

FIG. 2 PRIOR ART



(b) 0100111011011100101001010101010101



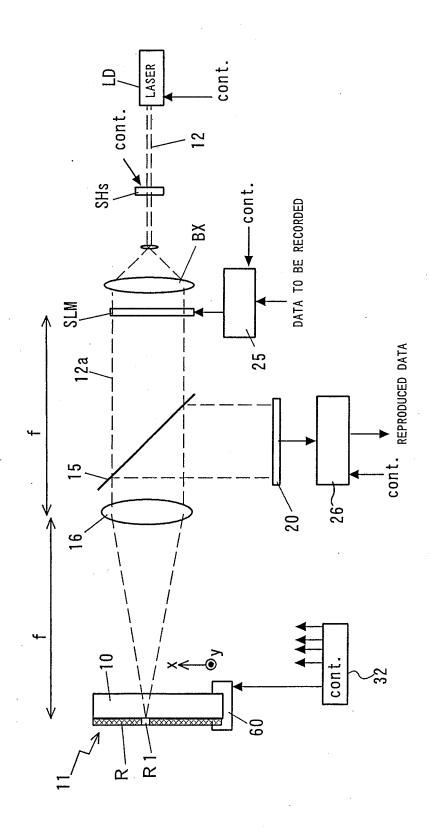


FIG. 3

FIG. 4

	TWO-DIMENSIONAL M (6:9 MODULATI		
INFORMATION DATA 6 BITS			MODULATED DATA OF 9 BITS (9 PIXELS)
000000	-	110001000	
000001	-	110000100	
000010	-	110000010	
000011	-	110000001	
100100	-	010001010	
100101	-	010001001	
100110	_	010000110	
100111	-	010000101	

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FIG. 5

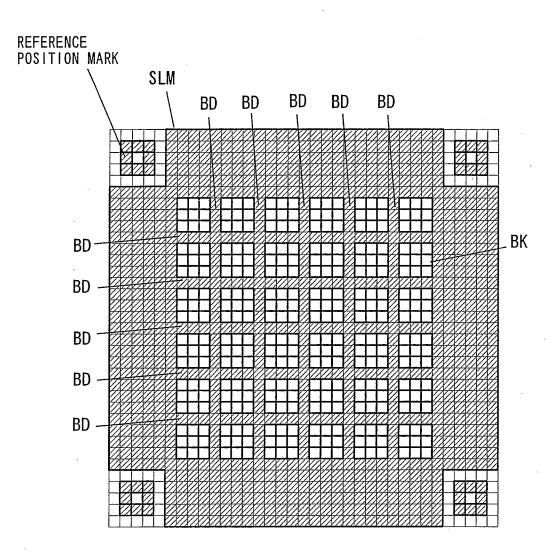


FIG. 6

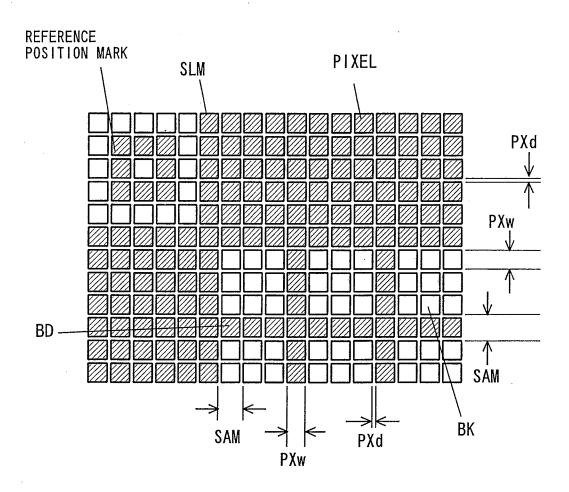


FIG. 7

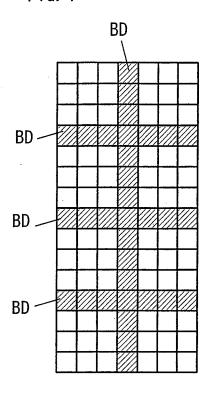


FIG. 8

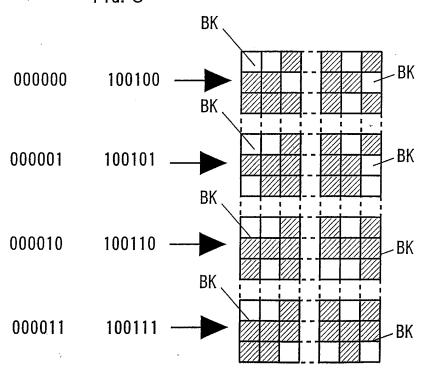


FIG. 9

TWO-DIMENSIONAL MODULATION (6:9MODULATION)

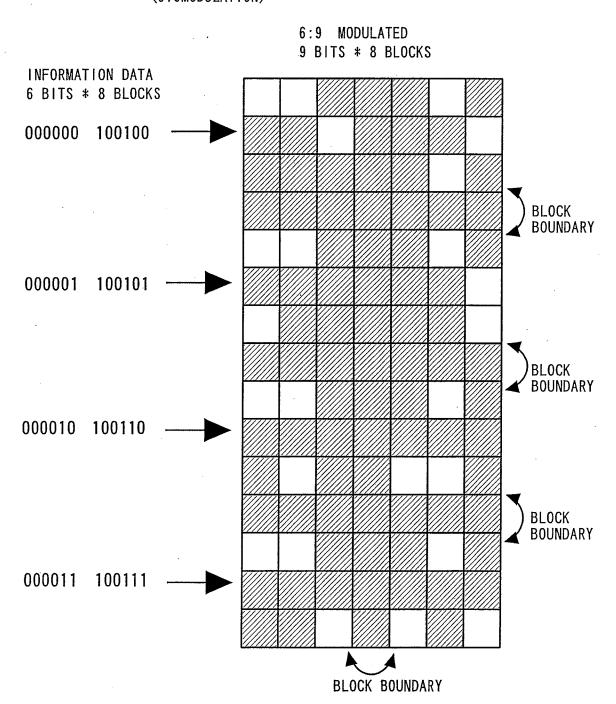


FIG. 1 0

TWO-DIMENSIONAL MODULATION (6:9MODULATION)

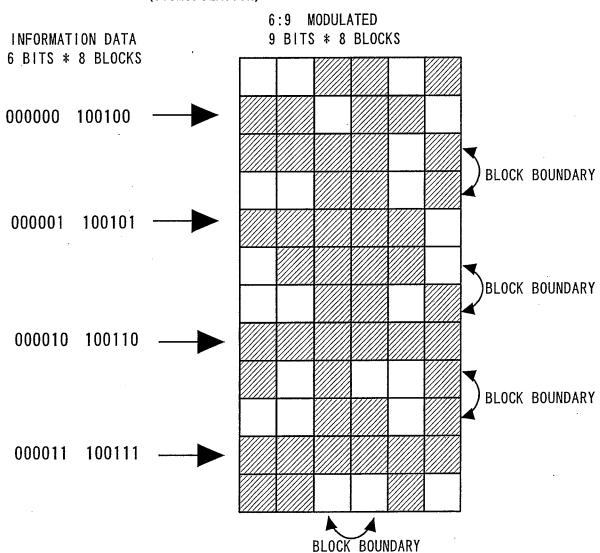


FIG. 1 1

◆ : SAMPLE (2)

• : SAMPLE(3)

▲ : SAMPLE(1)

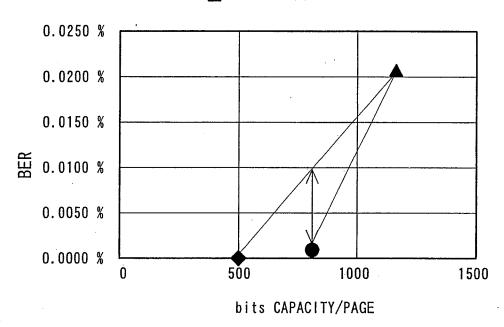


FIG. 1 2

OVERSAMPLING

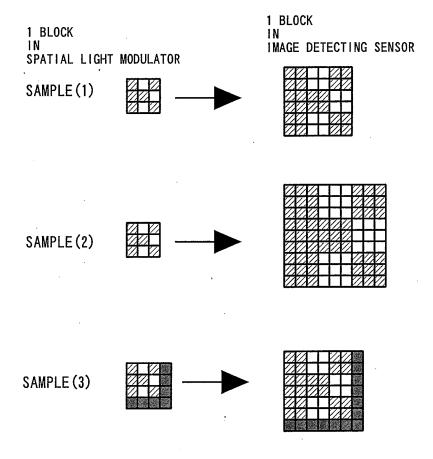


FIG. 1 3

LATTICE CONNECTION BASED ON ADDITION OF DARK PIXELS ARRANGED IN J -SHAPE

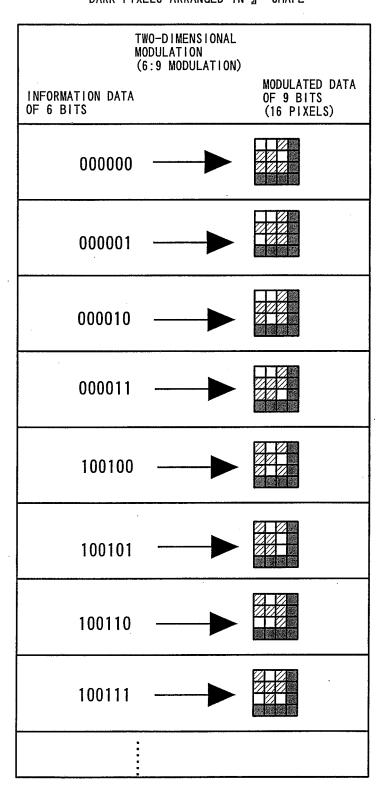
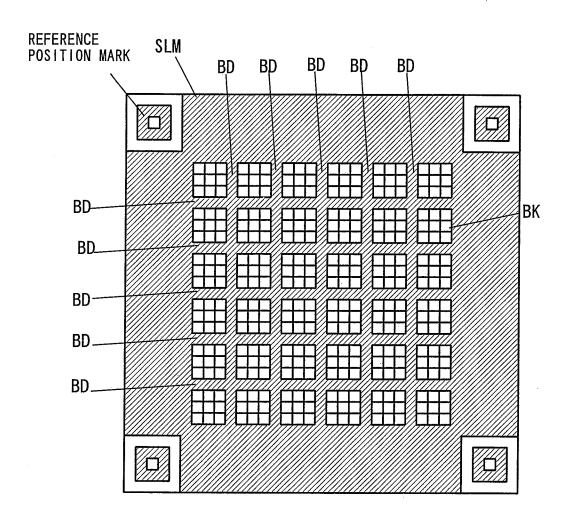


FIG. 1 4

LATTICE CONNECTION BASED ON ADDITION OF DARK PIXELS ARRANGED IN T-SHAPE

		•		
TWO-DIMENSIONAL MODULATION (6:9 MODULATION)				
INFORMATION DATA OF 6 BITS,		MODULATED DATA OF 9 BITS (16 PIXELS)		
000000	-			
000001	-			
000010	-			
000011	-			
100100				
100101	-			
100110	_			
100111	-			

FIG. 15



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FIG. 1 6

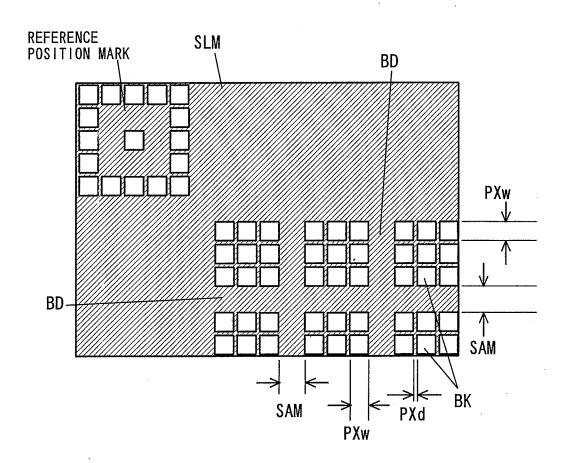


FIG. 17

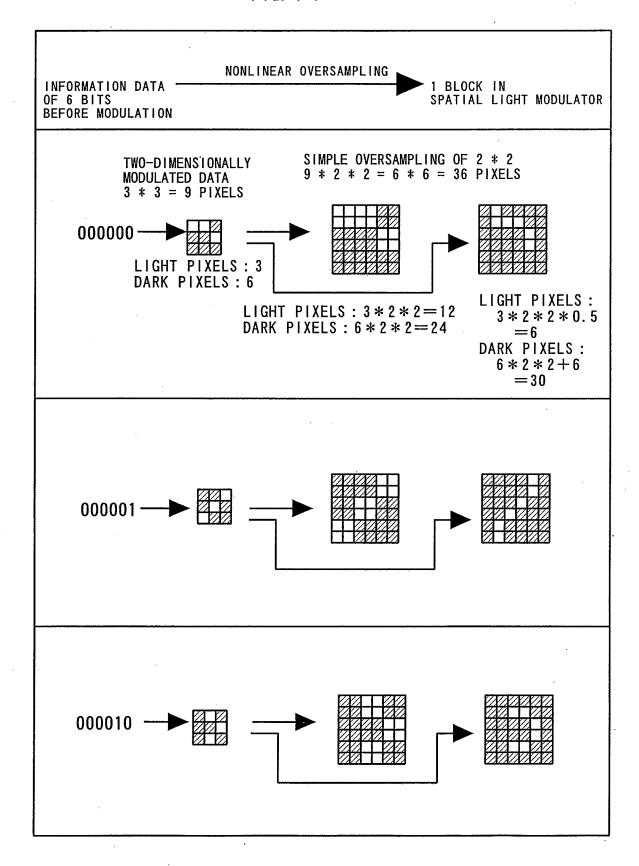
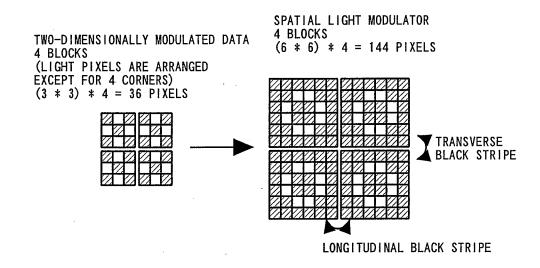


FIG. 18

NONLINEAR OVERSAMPLING



SPATIAL LIGHT MODULATOR

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4 BLOCKS

FIG. 19

NONLINEAR OVERSAMPLING

TWO-DIMENSIONALLY MODULATED DATA
4 BLOCKS
(LIGHT PIXELS ARE ARRANGED
IN 4 CORNERS)
(3 * 3) * 4 = 36 PIXELS

TRANSVERSE BLACK STRIPE
IS IMPERFECTLY FORMED

TRANSVERSE BLACK STRIPE
IS IMPERFECTLY FORMED

LONGITUDINAL BLACK STRIPE IS IMPERFECTLY FORMED

FIG. 20

NONLINEAR OVERSAMPLING

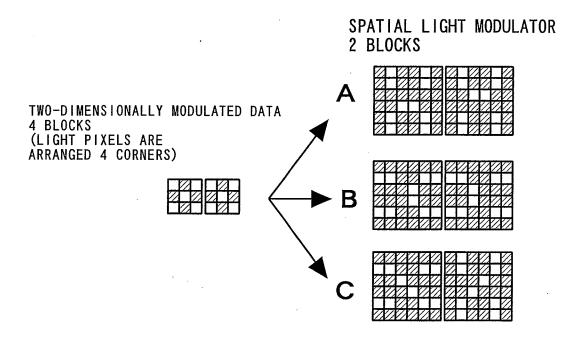


FIG. 21

